IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): An improved non-tacky crystal gels gel composition comprising: (I) 100 parts by weight of

- (i) one or more poly(ethylene-styrene) interpolymers) having one or more glassy components and at least one substantially crystalline components, wherein said (i) copolymers being in combination with a selected amount of one or more selected second copolymers comprising:
- (ii) one or more substantially random copolymers having one or more glassy components and one or more crystalline components of moderate crystallinity;
- (iii) one or more substantially random copolymers having one or more glassy components and one or more crystalline components of negligible polyethylene crystallinity or low polyethylene crystallinity;
- (iv) one or more substantially random copolymers having one or more glassy components and one or more amorphous components;
- (v) one or more of a diblock, triblock, multi-arm block, branched block, radial block, or multiblock copolymers, wherein said (v) copolymers having one or more glassy components and one or more elastomeric components of selected crystallinity; and
- (vi) one or more of a diblock, triblock, multi-arm block, branched block, radial block, or multiblock copolymers, wherein said (vi) copolymers having one or more glassy components and one or more amorphous elastomeric components;
- (vii) a mixture of two or more (ii)-(vi) copolymers; wherein said (i)-(iii) and (v) copolymers are characterized by one or more polyethylene components of negligible crystallinity, low crystallinity, moderate crystallinity, or of sufficient crystallinity as to exhibit a melting curve crystallization exotherm at about 10°C or greater as determined by differential scanning calorimeter-DSC curve;
- (II) in combination with or without one or more of selected homopolymers of polystyrene, poly(alpha-methylstyrene), poly(o-methylstyrene), poly(m-methylstyrene), poly(p-methylstyrene), or poly(dimethylphenylene oxide); and
- (III) a selected amount of one or more compatible plasticizers of sufficient amounts to achieve a stable gel having rigidities of from less than about 2 gram Bloom to about 1,800 gram Bloom.

Claim 2 (currently amended): An improved non-tacky crystal gel composition according to claim 1, wherein said crystalline components having a selected crystallinity capable of exhibiting in differential seanning calorimeter (DSC) a melting at about 10°C or higher (v) copolymer is poly(styrene-ethylene-butylene)_n, and poly(styrene-ethylene-propylene-styrene); and said (vi) copolymer is poly(styrene-ethylene-propylene-styrene); and said (vi) copolymer is poly(styrene-ethylene-propylene-styrene).

butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene), and poly(styrene-ethylene-propylene-styrene)

Claims 3-8 (non-elected and withdrawn)

Claim 9 (currently amended): A non-tacky crystal gel composition of claim 1 having a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; wherein a representative source of said (i) poly(ethylene-styrene) interpolymer(s) being Dow InterpolymersTM, and a representative source of said (v) copolymer being Kraton® and Septon®.

Claim 10 (currently amended): A gel composite comprising a gel composition, G_{n_k} which comprises of

- (i) 100 parts by weight of one or more poly(styrene-ethylene-propylene-styrene) block copolymers having a viscosity value at 5 weight percent solution in toluene at 30°C of about 25, 30, 35, 37, 40, 50, 60, 70, 80, 90, 100, 150, 160, 180, 200, 210, 260, 380, 400, 580, 800 cps and higher; wherein at least one of said block copolymer is a high-viscosity copolymer having a viscosity value at said viscosity value of 90 cps at 5 weight percent solution in toluene at 30°C of about 90 cps and higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 20 weight percent solution in toluene at 25°C of about 80,000 cps and higher,
- (ii) about 250 to about 1,600 parts by weight of one or more compatible plasticizers a low viscosity plasticizing oil; said gel compositions characterized by a gel gram Bloom of about 2 to about 1,800 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene), poly(ethylene-butylene), poly(styrene-ethylene-propylene, poly(ethylene-butylene), poly(styrene-ethylene-propylene, or polyethylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and
- (iv) with or without a minor amount of at least one or more glassy component associating resins having softening points above about 120°C;

with wherein said gel composition is formed into a composite with one or more of a selected substrate material, \underline{M} \underline{M}_0 , said \underline{gel} composite formed from \underline{of} the combination G_nM_n , $G_nM_nG_n$, $M_nG_nM_n$, $M_nG_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_nM_n$, $M_nG_nG_nM_n$, $M_nG_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_n$, $M_nG_nM_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_n$, $M_nM_nM_nG_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nM_nG_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nG_nG_n$, $M_nG_$

 M_n , $G_nG_nM_nG_nM_n$, $G_nM_nG_nM_nM_n$, $M_nG_nM_nG_nM_nG_n$, $G_nG_nM_nM_nG_n$, $G_nG_nM_nG_nM_nG_n$, a sequential addition or a permutation of one or more of said G_n with M_n ; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity;

wherein a <u>representative</u> source of said (i) poly(styrene-ethylene-ethylene-propylene-styrene) block polymers being Septon®.

Claim 11 (currently amended): A non-tacky gel composition comprising:

- (i) 100 parts by weight of one or more hydrogenated styrene block copolymers having 2-methyl-1,3-butadiene and 1,3-butadiene blocks, wherein said-block copolymer is a high viscosity copolymer having a viscosity value at 5 weight percent solution in toluene at 30°C of about 90 cps and higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 20 weight percent solids solution in toluene at 25°C of at about 80,000 cps and higher, and from
- (ii) about 250 to about 1,600 parts by weight of <u>one or more compatible plasticizers</u> a low viscosity plasticizing oil; said gelatinous elastomer compositions characterized by a gel gram Bloom rigidity of about 2 to about 2000 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene-butylene-butylene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C;

wherein a source of said (i) block polymer being Septon®.

Claim 12 (currently amended): A non-tacky gel composition comprising:

(i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene/ethylene-propylene-styrene) of negligible polyethylene crystallinity or low polyethylene crystallinity, wherein said block copolymer is a high viscosity copolymer having a viscosity value at 5 weight percent solution in toluene at 30°C of about 25, 30, 35, 37, 40, 50, 60, 70, 80, 90, 100, 150, 160, 180, 200, 210, 260, 380, 400, 580, 800 cps and higher which; said viscosity value of 90 cps at 5 weight percent solution corresponds to

a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 20 weight percent solids solution in toluene at 25°C of at about 80,000 cps and higher, and from

- (ii) about 250 to about 1,600 parts by weight of <u>one or more selected compatible plasticizers a plasticizing oil</u>; said gelatinous elastomer compositions characterized by a gel gram Bloom of about 2 to about 2000 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene-butylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C;

wherein a representative source of said (i) block polymer being Septon®.

Claim 13 (currently amended): non-tacky gel composition comprising:

- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene isoprene/butadiene block copolymer(s); having selected crystallinity and from
- (ii) about 300 to about 1,600 parts by weight of one or more compatible plasticizers a plasticizing oil; said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, poly(styrene-isoprene)_n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene propylene)_n, poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene), poly(ethylene-butylene), poly(ethylene-butylene), poly(propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C.

Claim 14 (currently amended): A non-tacky gel composition comprising:

(i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene isoprene/butadiene block copolymer(s) and

- (ii) from about 300 to about 1,600 parts by weight of one or more compatible plasticizers an plasticizing oil; wherein said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; in combination with or without
- (iii) a selected amount of one or more polymer or copolymer of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, poly(styrene-isoprene-styrene), poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer, and n is an integer greater than one; and with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C;

wherein a representative source of said (i) block polymer being Septon®.

Claim 15 (currently amended): A non-tacky gel composition comprising:

- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene block copolymer(s) of selected crystallinity with 2-methyl-1,3-butadiene and 1,3-butadiene and
- (ii) from about 300 to about 1,600 parts by weight of one or more compatible plasticizers of which at least one said compatible plasticizer being of major amount of a low viscosity plasticizing oil in combination with a minor amount of one or more high viscosity plasticizing oils an plasticizing oil; wherein said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; in combination with or without
- (iii) a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene), poly(ethylene-propylene), poly(ethylene-butylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one, and in combination with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C.

Claim 16 (currently amended): A gel composition comprising:

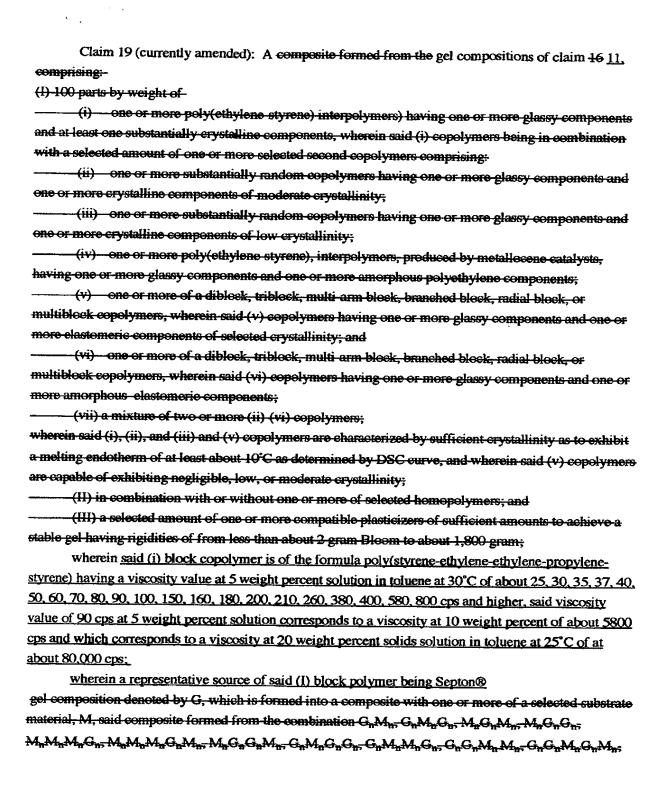
100 parts by weight of one or a mixture of two or more of poly(styrene-ethylene-ethylene-

propylene-styrene) block copolymer(s) of and

- (ii) from about 300 to about 1,600 parts by weight of one or more compatible plasticizers of which at least one said compatible plasticizer being of major amount of a low viscosity plasticizing oil in combination with a minor amount of one or more high viscosity plasticizing oils or of which at least one said compatible plasticizer being of minor amount of a low viscosity plasticizing oil in combination with a major amount of one or more high viscosity plasticizing oil, and in combination with or without
- (ii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), polypropylene, or polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, branched, radial, star-shaped, or multiarm copolymer; and n is an integer greater than one; and with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; wherein a <u>representative</u> source of said (i) poly(styrene-ethylene-ethylene-propylene-styrene) block polymers being Septon®.

Claim 17 (Currently amended): A non-tacky gel composition of claim 10 13 wherein said hydrogenated styrene block copolymer is one or more of a block copolymer of poly(styrene-ethylene-ethylene-propylene-styrene).

Claim 18 (currently amended): A gel composition composite article of claim 11, wherein at least one said (i) block copolymer is of the formula poly(styrene-ethylene-ethylene-propylene-styrene) having a viscosity value at 5 weight percent solution in toluene at 30°C of from about 90 to about 260 cps; and wherein a representative source of said (i) block polymer being Septon® a source of said hydrogenated poly(styrene isoprene/butadiene styrene) block polymer being Septon® 4033, Septon® 4045, and Septon® 4055 and Septon® 4077 and a representative source of said resins being Aldrich Nos.: 32,771 9 (2,500M_w), 32,772 7 (4,000 Mw), 37,951 4 (13,000 Mw), 32,774 3 (20,000 Mw), 32,775 1 (35,000 Mw), 33,034 5 (50,000 Mw), 32,777 8 (90,000 Mw), poly(alpha methylstyrene) #41,794 7 (1,300 Mw), 19,184 1 (4,000 Mw); poly(4 methylstyrene) #18,227 3 (72,000 Mw); Hercules Chemical: Endox 155, 160, Kristalex 120, 140; (Regalrez 1126, 1128, 1139, 3102, 5095, and 6108), hydrogenated mixed aromatic resins (Regalite R125), Pieco 5130, 5140, 9140; GE: Blendex (polyphenylene ether) HPP820, HPP823; Cumar LX509, Curnar 130, Lx-1035).



G_nM_nG_nM_nM_n, M_nG_nM_nG_nM_nG_n, G_nG_nM_nM_nG_n, G_nG_nM_nG_nM_nG_n, a sequential addition or a permutation of one or more of said G_n with M_n; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass; corumics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

Claim 20 (currently amended): A non-tacky gel composition comprising:

- (i) 100 parts by weight of one or a mixture of two or more poly(styrene-ethylene-ethylene-propylene-styrene) block copolymer(s); from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; said gel composition characterized by a gel rigidity of from about 20 to about 800 gram Bloom; and in combination with
- (iii) a selected amount of one or more <u>polymers or</u> block copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, and poly(styrene-ethylene-butylene-styrene), <u>poly(styrene-ethylene-propylene-styrene)</u>, <u>poly(styrene-ethylene-propylene-styrene)</u>, <u>poly(styrene-ethylene-propylene)_n</u>, <u>polystyrene, polybutylene, poly(ethylene-propylene)</u>, <u>polypropylene, and polyethylene;</u> wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one.

Claim 21 (currently amended): A non-tacky gel composition comprising:

- (i) 100 parts by weight of one or a mixture of two or more poly(styrene-ethylene-ethylene-propylene-styrene) block copolymer(s); from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; said gel composition characterized by a gel rigidity of from about 20 to about 800 gram Bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or block copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)_n, poly(styrene-ethylene-propylene-styrene), and poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), polypropylene, or polyethylene; polybutylene, poly(ethylene-butylene), polypropylene, or polyethylene; polyalphamethylstyrene/vinyl toluene copolymer, polyphenylene ether, poly(alpha-methylstyrene), poly(o-methylstyrene), poly(o-methylstyrene), poly(o-methylstyrene), poly(d-methylstyrene), and poly(dimethylphenylene oxide); wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one.

Claim 22 (currently amended): A <u>gel</u> composite according to claim 15, wherein said hydrogenated styrene block polymer is one or more of a block copolymer of poly(styrene-ethylene-ethylene-ethylene-ethylene-styrene), and a <u>representative</u> source of said poly(styrene-ethylene-ethylene-propylene-styrene) being Septon® 4033, Septon® 4045, and Septon® 4055, and Septon® 4077 and a <u>representative</u> source of said resins being Hercules Chemical: Endex 155, 160, Kristalex 120, 140; (Regalrez 1126, 1128, 1139, 3102, 5095, and 6108), (Regalite R125), Picco 5130, 5140, 9140; and GE: Blendex HPP820, HPP822, HPP823 Endex® 155, 160, Kristalex® 120, 140, Regalrez® 1126, 1128, 1139, 3102, 5095, 6108, Regalite® R125, Picco® 5130, 5140, 9140, and Blendex® HPP820, HPP822, HPP823.

Claim 23 (currently amended): A non-tacky gel composition comprising:

- (i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, and from
 - (ii) about 300 to about 1,600 parts by weight of a low viscosity plasticizing oil; with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and said resins being Hercules Chemical: Endex 155, 160, Kristalex 120, 140; (Regalrez 1126, 1128, 1139, 3102, 5095, and 6108), hydrogenated mixed aromatic resins (Regalite R125), Pieco 5130, 5140, 9140; and GE: Blendex HPP820, HPP822, HPP823 of polymerized mixed olefin, polyterpene, glycerol ester of rosin, pentaerythritol ester of rosin, saturated alicyclic hydrocarbon, coumarone indene, hydrocarbon, mixed olefin, alkylated aromatic hydrocarbon, polyalphamethylstyrene/vinyl toluene copolymer, polystyrene, polyphenylene ether, poly(alphamethylstyrene), poly(o-methylstyrene), poly(m-methylstyrene), poly(p-methylstyrene), poly(4-methylstyrene), and poly(dimethylphenylene oxide).

Claim 24 (currently amended): A non-tacky gel composition, comprising: (i) 100 parts by weight of one or more of a hydrogenated styrene isoprene/butadiene copolymer exhibiting selected crystallinity, wherein a representative source of said copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 and from

- (ii) about 300 to about 1,600 parts by weight of a low viscosity plasticizing oil;
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and a representative source of said resins being Hercules Chemical: Endex 155, 160, Kristalex 120, 140; (Regalrez 1126, 1128, 1139, 3102, 5095, and 6108), hydrogenated mixed aromatic resins (Regalite R125), Pieco 5130, 5140, 9140 Endex® 155, 160, Kristalex® 120, 140, Regalrez® 1126, 1128, 1139, 3102, 5095, 6108, Regalite® R125, and Picco® 5130, 5140, 9140.

Claim 25 (currently amended): A non-tacky gel composition, comprising:

- (i) 100 parts by weight of a hydrogenated styrene isoprene/butadiene copolymer; wherein a representative source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055, and Septon® 4077 and from
 - (ii) about 300 to about 1,600 parts by weight of a low viscosity plasticizing oil;
- (iv) in combination with or without a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and a representative source of said resins being Hercules Chemical: Endex® 155, 160, and Kristalex® 120, 140.

Claim 26 (currently amended): A non-tacky gel composition, comprising:

- (i) 100 parts by weight of one or more block copolymers of poly(styrene-ethylene-ethylene propylene-styrene); exhibiting selected crystallinity, wherein a representative source of said block eepolymers being Septon® 4033, Septon® 4045, and Septon® 4055, and from
 - (ii) about 300 to about 1,600 parts by weight of a low viscosity plasticizing oil;
- (iv) in combination with or without a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and said resins being Hercules Chemical: Regalrez 1126, 1128, 1139, 3102, 5095, and 6108, hydrogenated mixed aromatic resins (Regalite R125), Picco 5130, 5140, 9140.

Claim 27 (currently amended): A non-tacky gel composition, comprising: (i) 100 parts by weight of one or more of a hydrogenated styrene isoprene/butadiene copolymers; wherein a representative source of said block copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 and from

- (ii) about 300 to about 1,600 parts by weight of a low viscosity plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)_n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene)_n, poly(styrene ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-butylene-butylene)_n, poly(styrene-ethylene-butylene-butylene)_n, poly(styrene-ethylene-butylene-butylene)_n, poly(styrene-ethylene-butylene-
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and a representative source of said resins being GE: Blendex® polyphenylene ether HPP820, HPP822, and HPP823.

Claim 28 (currently amended): A non-tacky gel composition, comprising:

(i) 100 parts by weight of s hydrogenated styrene block copolymers having 2-methyl-1,3 butadiene and 1,3-butadiene blocks; and wherein a source of said block copolymers being Septon® 4033,

Septon® 4045, and Septon® 4055, and from

- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene)_n, poly(styrene ethylene-butylene)_n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; in combination with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C;

wherein and a representative source of said resins being Aldrich Nos.: 32,771 - 9 (2,500M_w), 32,772 - 7 (4,000 Mw), 37,951 - 4 (13,000 Mw), 32,774 - 3 (20,000 Mw), 32,775 - 1 (35,000 Mw), 33,034 - 5 (50,000 Mw), 32,777 - 8 (90,000 Mw), poly(alpha methylstyrene) #41,794 -7 (1,300 Mw), 19,184 -1 (4,000 Mw); poly(4 methylstyrene) #18,227 -3 (72,000 Mw); Aldrich Nos.: 32,771 - 9 of about 2,500M_w, 32,772 - 7 of about 4,000 M_w, 37,951 - 4 of about 13,000 M_w, 32,774 - 3 of about 20,000 M_w, 32,775 - 1 of about 35,000 M_w, 33,034 - 5 of 50,000 M_w, 32,777 - 8 of about 90,000 M_w, poly(alpha-methylstyrene) 41,794 - 7 of about 1,300 M_w, 19,184 - 1 of 4,000 M_w; poly(4-methylstyrene) 18,227 - 3 of about 72,000 M_w; and

wherein a representative source of said block copolymers being Septon® 4033, Septon® 4045. Septon® 4055, and Septon® 4077.

Claim 29 (currently amended): non-tacky gel composition, comprising:

- (i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene-ethylene propylene-styrene), wherein a <u>representative</u> source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055, and Septon® 4077 and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)_n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene)_n, poly(styrene ethylene-butylene)_n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one;
 - (iv) a minor amount of at least one or more glassy component associating resins having

softening points above about 120°C; and a representative source of said resins being Aldrich Nos.: 32,771-9 (2,500M_w), 32,772-7 (4,000 Mw), 37,951-4 (13,000 Mw), 32,774-3 (20,000 Mw), 32,775-1 (35,000 Mw), 33,034-5 (50,000 Mw), 32,777-8 (90,000 Mw), poly(alpha methylstyrene) #41,794-7 (1,300 Mw), 19,184-1 (4,000 Mw); poly(4 methylstyrene) #18,227-3 (72,000 Mw); Hercules Chemical: Endex 155, 160, Kristalex 120, 140 Aldrich Nos.: 32,771-9 of about 2,500M_w, 32,772-7 of about 4,000 M_w, 37,951-4 of about 13,000 M_w, 32-774-3 of about 20,000 M_w, 32,775-1 of about 35,000 M_w, 33,034-5 of 50,000 M_w, 32,777-8 of about 90,000 M_w, poly(alpha-methylstyrene) 41,794-7 of about 1,300 M_w, 19,184-1 of 4,000 M_w; poly(4-methylstyrene) 18,227-3 of about 72,000 M_w, Endex 155, 160, and Kristalex 120, 140.

Claim 30 (currently amended): A <u>gel</u> composite comprising a gel composition, G_n, <u>of formed</u> from-

- (i) 100 parts by weight a block copolymer comprising poly(styrene-ethylene-ethylene-propylene styrene), wherein a source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055, and from
- (ii) about 300 to about 1,600 parts by weight of a selected plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)_n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene)_n, poly(styrene ethylene-butylene)_n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; with or without
- (iv) a minor amount of at least one or more glassy component associating resins having softening points above about 120°C; and said resins being Hercules Chemical: Regalrez 1126, 1128, 1139, 3102, 5095, and 6108;

with wherein said-gel composition is formed into a composite with one or more of a selected substrate material, M M_n , said composite formed from of the combination G_nM_n , $G_nM_nG_n$, $M_nG_nM_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nG_nM_n$, $M_nG_nM_nG_nM_n$, $M_nG_nM_nG_nM_nG_n$, $M_nG_nM_nG_nM_nG_n$, $M_nG_nM_nG_nM_nG_n$, $M_nG_nM_nG_n$, $M_nG_nM_nG_$

Claim 31 (currently amended): A prosthetic device comprising a lower extremity socket insert for below knee or above knee with or without a cuff suspension formed from a gel composition of claim 46 25.

Claim 32 (currently amended): A prosthetic device comprising a lower extremity socket insert for below knee or above knee with or without a cuff suspension formed from a gel composite claim 40 30, wherein M is a fabric.

Claim 33 (currently amended): A gel composite of claim 20, wherein said hydrogenated styrene block copolymer(s) with 2-methyl-1,3-butadiene and 1,3-butadiene is poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, and a representative source of said poly(styreneethylene-ethylene-propylene-styrene) being Septon®; 4033, Septon® 4045, and Septon® 4055 and a representative source of said resins being Aldrich Nos.: 32,771 9 (2,500Mw), 32,772 7 (4,000 Mw), 37.951-4 (13,000 Mw), 32-774-3 (20,000 Mw), 32,775-1 (35,000 Mw), 33,034-5 (50,000 Mw), 32,777-8 (90,000 Mw), poly(alpha methylstyrene) #41,794-7 (1,300 Mw), 19,184-1 (4,000 Mw); poly(4methylstyrene) #18,227-3 (72,000 Mw); Hercules Chemical: Endex 155, 160, Kristalex 120, 140; (Regalrez 1126, 1128, 1139, 3102, 5095, and 6108), hydrogenated mixed aromatic resins (Regalite R125), Picco 5130, 5140, 9140; GE: Blendex (polyphenylene ether) HPP820, HPP822, HPP823; Cumar LX509, Cumar 130, Lx 1035) Aldrich Nos.: 32,771-9 of about 2,500Mw, 32,772-7 of about 4,000 Mw, 37,951-4 of about 13,000 Mw, 32-774-3 of about 20,000 Mw, 32,775-1 of about 35,000 Mw, 33,034-5 of 50,000 Mw, 32,777-8 of about 90,000 Mw, poly(alpha-methylstyrene) 41,794-7 of about 1,300 Mw, 19,184-1 of 4,000 Mw; poly(4-methylstyrene) 18,227-3 of about 72,000 Mw, Endex® 155, 160, Kristalex® 120, 140; Regalrez® 1126, 1128, 1139, 3102, 5095, 6108, Regalite® R125, Picco® 5130, 5140, 9140; Blendex® HPP820, HPP822, HPP823, Cumar® LX509, Cumar® 130, and Lx-1035).